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• ESTIMATED PRODUCTION FROM USE OF ADDITIONAL FERTILIZER

| Crop | Increase per ton plant feed applied | | | | Nitrogen (N) | | | | Phosphoric acid (P ₂ O ₅) | | | | Potash (K ₂ O) | | | | Totals | | | | | |
|-----------------------------|--|--------------|--|---------------------------|----------------------------|--|----------------------|-------------------|--|--------------------------------------|----------------------|-------------------|---|--|----------------------|------------------|-------------------|--------------------------------------|-------------|------------------|-------------|-------------------|
| | Y.D.M. per lb. 3/ | | Y.D.M. per lb. 3/ | | Y.D.M. per lb. 3/ | | Y.D.M. per lb. 3/ | | Y.D.M. per lb. 3/ | | Y.D.M. per lb. 3/ | | Y.D.M. per lb. 3/ | | Y.D.M. per lb. 3/ | | | | | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) | (13) | (14) | (15) | (16) | (17) | (18) | (19) | (20) | (21) | (22) |
| | | Nitrogen (N) | Phosphoric acid (P ₂ O ₅) | Potash (K ₂ O) | Amount Nitrogen (N) (tons) | Amount Nitrate of soda 10% equivalent (tons) | Production (000) | Acres required 1/ | Amount Phosphoric acid (P ₂ O ₅) (tons) | Superphosphate 10% equivalent (tons) | Production (000) | Acres required 1/ | Amount Potash (K ₂ O) (tons) | Borate of potash 50% equivalent (tons) | Amount (tons) | Production (000) | Acres required 1/ | Fertilizer Production required (000) | Acres (000) | Production (000) | Acres (000) | % of 1942 average |
| Corn (Bu) | 714 | 15.0 | 800 | 536 | 20,000 | 125,000 | 14,280 | 492 | 36,000 | 200,000 | 10,800 | 372 | 35,000 | 70,000 | 105,000 | 16,760 | 647 | 396,000 | 43,840 | 1,611 | 1.69 | |
| Wheat (Bu) | 500 | 12.5 | 400 | 333 | 8,000 | 50,000 | 4,000 | 274 | 18,754 | 104,189 | 7,502 | 514 | 10,000 | 20,000 | 30,000 | 3,830 | 228 | 174,189 | 14,832 | 1,016 | 2.05 | |
| Barley and oats (Bu) | 1,250 | 16.2 | 200 | 4.4 | 20,000 | 125,000 | 25,000 | 888 | 11,500 | 63,889 | 3,450 | 122 | — | — | — | — | — | 188,889 | 28,450 | 1,008 | 1.84 | |
| Forage (Tons) | 30 | 15.0 | 30 | 15.0 | 112,000 | 700,000 | 3,360 | 2,452 | 413,646 | 2,297,478 | 12,408 | 9,055 | 82,400 | 124,800 | 207,200 | 1,260 | 1,139 | 3,122,278 | 17,328 | 12,648 | 21.0 2/ | |
| Potatoes (rich) (Bu) | 1,330 | — | 750 | — | 12,000 | 75,000 | 15,960 | 126 | 18,400 | 91,111 | 12,800 | 98 | 18,000 | 36,000 | 54,000 | 29,988 | 236 | 202,111 | 58,248 | 462 | 17.04 | |
| " (poor) (Bu) | 1,330 | — | 680 | — | — | — | — | — | 9,000 | 50,000 | 5,851 | 69 | 4,000 | 8,000 | 12,000 | 6,000 | 71 | 58,000 | 11,851 | 140 | 19.80 | |
| Vegetables (Tons) | 40 | — | 30 | — | 8,000 | 50,000 | 320 | 62 | 10,800 | 60,000 | 324 | 63 | 12,600 | 25,200 | 37,800 | 567 | 111 | 135,200 | 1,211 | 254 | — | |
| Soybeans (Bu) | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — |
| Peanuts (Tons) | — | — | 6 | — | — | — | — | — | 9,000 | 50,000 | 54 | 141 | 7,000 | 14,000 | 21,000 | 1,190 | 64 | 14,000 | 1,190 | 64 | .45 | |
| Dry beans and dry peas (Bu) | 266 | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | — | 64,000 | 108 | 269 | 7.85 | |
| Victory gardens and misc. | — | — | — | — | 10,000 | 52,500 | — | — | 15,000 | 83,333 | — | — | — | — | — | — | — | 8,000 | 932 | 69 | .26 | |
| Total | — | — | — | — | 190,000 | 1,125,500 | — | 4,292 | 540,000 | 3,000,000 | — | 10,454 | 160,000 | 320,000 | — | — | 2,895 | 4,507,500 | — | 17,421 | 5.18 | |

* This is in addition to 511,000 tons of nitrogen, 1,080,000 tons of phosphoric acid, and 565,000 tons of potash expected to be available and for which programs have already been developed.

1/ Five-year average yield per acre 1937-41 used as basis of computation as follows:

- Potatoes 126 bushels
- Corn 89 bushels
- Wheat 14.8 bushels
- Forage (Tons hay) 1.37 tons
- Peanuts 766 pounds
- Soybeans 18.5 bushels
- Sweetpotatoes 85 bushels
- Barley and Oats 28.2 bushels
- Vegetables 5.12 tons
- Dry beans and peas 13.4 bushels (1930-39 average)

2/ All tame hay
3/ Total digestible nutrients per pound of plant feed applied.

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